



**CITY OF LODI  
COUNCIL COMMUNICATION**

**AGENDA TITLE:** Adopt Resolution Approving Specifications for Total Station Surveying Equipment with Global Positioning Satellite (GPS) Capability and Authorizing the City Manager to Approve the Purchase from Haselbach Surveying Instruments as the Sole Supplier (Not to Exceed \$64,000)

**MEETING DATE:** December 21, 2005

**PREPARED BY:** Public Works Director

**RECOMMENDED ACTION:** That the City Council adopt a resolution approving specifications for total station surveying equipment with global positioning satellite (GPS) capability and authorizing the City Manager to approve the purchase from Haselbach Surveying Instruments as the sole supplier for an amount not to exceed \$64,000. Haselbach Surveying Instruments is the sole distributor of Leica Geosystems Surveying Grade Products in the Northern California region and has provided the City with excellent customer service and support for over 20 years.

**BACKGROUND INFORMATION:** This request is to fund the replacement of the City's 20-year old survey instrument (total station) with a Leica 1200 Series Total Station instrument with GPS capabilities. The new equipment is needed due to the suddenly diminished availability of replacement parts and the limited availability of maintenance services for the existing equipment.

City staff conducted a thorough research of available total station survey instruments, all with sub-centimeter GPS capabilities. In addition, field trials were conducted for three of the systems. The Leica 1200 Series equipment was selected for the following reasons: 1) performance reliability in a variety of field conditions; 2) user-friendly data transfer to/from the office; and 3) proven superior post-purchase technical support, since the equipment currently in use by City surveyors is also made by Leica. Other systems tested included Topcon and Trimble.

The primary objective of the purchase is to replace the department's obsolete survey equipment and take steps to establish a City-wide horizontal and vertical survey control network using the GPS system. Using GPS, this objective can be performed and updated in a fraction of the time it would take using conventional survey methods and equipment. A secondary objective is to improve efficiency in the collection and distribution of infrastructure mapping data to all departments within the City.

**FISCAL IMPACT:** Annual costs of \$3,475 are required to cover software upgrades, technical training/support services, data modem and base station subscription and will be included in future operating budgets.

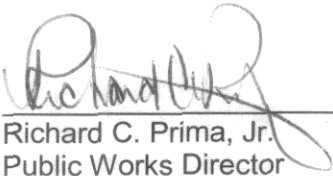
APPROVED: \_\_\_\_\_

Blair King, City Manager

Adopt Resolution Approving Specifications for Total Station Surveying Equipment with Global Positioning Satellite (GPS) Capability and Authorizing the City Manager to Approve the Purchase from Haselbach Surveying Instruments as the Sole Supplier (Not to Exceed \$64,000)  
December 21, 2005  
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<b>FUNDING AVAILABLE:</b>	IMF - General City Facilities (Public Works Equipment)	\$22,000
	Infrastructure Replacement Program (Water)	\$21,000
	Infrastructure Replacement Program (Wastewater)	\$21,000

  
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Ruby Paiste, Interim Finance Director

  
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Richard C. Prima, Jr.  
Public Works Director

Prepared by Wally Sandelin, City Engineer

RCP/FWS/pmf

RESOLUTION NO. 2005-256

A RESOLUTION OF THE LODI CITY COUNCIL APPROVING  
SPECIFICATIONS FOR TOTAL STATION SURVEYING EQUIPMENT WITH  
GLOBAL POSITIONING SATELLITE CAPABILITY AND AUTHORIZING THE  
CITY MANAGER TO APPROVE THE PURCHASE FROM HASELBACH  
SURVEYING INSTRUMENTS AS THE SOLE SUPPLIER

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WHEREAS, due to the diminished availability of replacement parts and the limited availability of maintenance service for the City's 20-year old survey instrument (total station), staff recommends replacement of the existing equipment with a Leica 1200 Series Total Station instrument with global positioning satellite (GPS) capabilities; and

WHEREAS, Lodi Municipal Code Section 3.20.070 authorizes dispensing with bids for purchases of supplies, services, or equipment when it is in the best interests of the City to do so; and

WHEREAS, staff further recommends that the City Council approve the specifications for total station surveying equipment with GPS and authorize the City Manager to approve the purchase from Haselbach Surveying Instruments as the sole-supplier in an amount not to exceed \$64,000.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby approve the specifications for total station surveying equipment with GPS capability; and

BE IT FURTHER RESOLVED that the City Council further authorizes the City Manager to approve the purchase of a Leica 1200 Series Total Station instrument with GPS capabilities from Haselbach Surveying Instruments as the sole-supplier in an amount not to exceed \$64,000.

Dated: December 21, 2005

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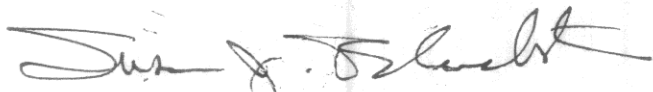
I hereby certify that Resolution No. 2005-256 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 21, 2005, by the following vote:

AYES: COUNCIL MEMBERS – Beckman, Hansen, Johnson, Mounce,  
and Mayor Hitchcock

NOES: COUNCIL MEMBERS - None

ABSENT: COUNCIL MEMBERS - None

ABSTAIN: COUNCIL MEMBERS - None

  
SUSAN J. BLACKSTON  
City Clerk